

**love-16**

ATGGCTGCAGATCAAGGTATATTGAACTCGGTCACTCTCTGCAGTGGAGGGTTCACGCAC  
 CAGTGGAACATTACCCGCCGTGATTCCGACGCTTGTGATCGGTGTCATGCACAAAAGATCA  
 AATGTAAGGAAATAAGGAGGTTACTGGCCGTGCTCCCTGTCAAGCAGTGCCAGCAGGCTGGACTT  
 CGATGCGTCTACAGTGAGCGATGCCCAAGCGCAAGCTACGCCAATCCAGGGCAGGGATCTCGT  
 CTCTGCTGACCCAGATCCCTGCTTGACATGTCCTGCCCTCAGTGCCCTCACAGAGCTTGCCGC  
 TAGACGTATCCGAGTCGATTCCCTCAAATACCTCCGGCAATTCTTGATCCACCGGACAGCTAC  
 GACTGGCTGGACCTCGATTGGCACTGACGGAGGCTATTGACACTGACTGCTGGGGCTGTCCA  
 ATGTGATGGAGGCTTCAGCTGTCAGTTAGGCCAACGCTGCCGGATCTACCTTCGCCCTCGAGT  
 CTACAGTTGAAAAGCTCCGTTGCCACCGGTATCGAGCGACATTGCTCGTGCAGGCCAGTGC  
 CGAGAGCTTCGATGACCTGCGCGGTGCGCAGGAACGGAACTGGAAGAGATCCTCTGGCCGTGAC  
 GGTAGAATGGCGAACAGCAGGAATCTGGACCCATCCCATCGGAATGTTTCAATGCGTCACGAC  
 GGCTTCTTACTGTCCTGCCAACAGCGCAGGCCACTGCCATCAAGGCACACTAGACGAATGT  
 TTACGGACCAAGAACCTCTTACGGCACTGACTGTTACATATTGAATGTGCGGATTTGACCGC  
 CATATCGGAGTTGCTCCTATCGCAAATTAGCGGACCCAGAACGCCATATGAGCCACTGGAAG  
 GGAGTCGATCCAGTCGCCAGCAGACACTAGCAGCAGCGGCCACAGCAGTGTGAC  
 ACCATACCCTCTTAGCGAGAACCTCCATTGGTGAGCTGTCCTCATGTTGACCCCCCTGAC  
 ACACGCCCTATTCTGGCTTGCACAGCTTACATGTTGGGGTACAATTGCTCGTGTGAGAATGAGA  
 TTACTCTGGGAGTACACTCCGCCAGGGCATTGCACTGCCATCAGCATGAGCGGGAACCGAGC  
 GAGGATATAGCCAGGACAGGGCGACCAATTCCGCAAGATGCGAGGAGCAGCCGACACTCCAGC  
 GGCTCGGGTTTGTTGTCATGTTCTTGAGTGAAGGGGCTTCAGGAGGAAAGTCTGCTGGTT  
 CCCGAGGTCGAACCATCGCAGCACTGCGACGATGCTATGAGGATATCTTCCCTGCCCGAAA  
 CACAAACATGGCATGCTCAGAGACCTCAACAAATTCCCTCATGA (SEQ ID NO: 76)

**love-19**

ATGGCTGCAGATCAAGGTATATTGAACTCGGTCACTCTCTGCCAGTGGAGGGTTCACACAC  
 CGGTGGAACATTACCCGCCGTGATTCCGACGCGCTTGTGATCGGTGTCATGCACAAAAGATCA  
 AATGTAAGGAAATAAGGAGGTTACTGGCCGTGCTCCCTGTCAAGCAGTGCCAGCAGGCTGGACTT  
 CGATGCGTCTACAGTGAGCGATGCCCAAGCGCAAGCTACGCCATTCCAGGGCATCGGATCTCGT  
 CTCTGCTGACCCAGATCCCTGCTTGACATGTCCTGCCCTCAGTGCCCTCACAGAGCTTGCCGC  
 TAGACGTATCCGAGTCGATTCCCTCAAATACCTCCGGCAATTCTTGATCCACCGGACAGCTAC  
 GACTGGCTGGACCTCGATTGGCACTGACGGAGGCTATTGACACTGACTGCTGGGGCTGTCCA  
 ATGTGATGGAGGCTTCAGCTGTCAGTTAGGCCAACGCTGCCGGATCTACCTTCGCCCTCGAGT  
 CTACGGTTGAAAAGCTCCGTTGCCACCGGTATCGAGCGACATTGCTCGTGCAGGCCAGTGC  
 CGAGAGCTTCGATGACCTGTCGGCGGTGCGCAGGAACGGAACTGGAAGAGATCCTCTGGCCGTGAC  
 GGTAGAATGGCGAACAGCAGGAATCTGGACCCATCCCATCGGAATGTTTCAATGCGTCACGAC  
 GGCTTCTTACTGTCCTGCCAACAGCGCAGGCCACTGCCATCAAGGCACACTAGACGAATGT  
 TTACGGACCAAGAACCTCTTACGGCACTGACTGTTACATATTGAATGTGCGGATTTGACCGC  
 CATATCGGAGTTGCTCCTGCAAAATTAGCGGACCCAGAACGCCATATGAGCCACTGGAAG  
 GGAGTCGATCCAGTCGCCAGCAGACACCAGCAGCAGCGAGGCCACAGCAGTGTGAC  
 ACCATACCCTCTTAGCGAGAACCTCCATTGGTGAGCTATTCTCCTATGTTGACCCCCCTGAC  
 ACACGCCCTATTCTGGCTTGCACAGCTTACATGTTGGGGTACAATTGCTCGTGTGAGAATGAGA  
 TTACTCTGGGAGTAGACTCCGCCAGGGCATTGCACTGCCATCAGCATGAGCGGGAACCGAGC  
 GAGGATATAGCCAGGACAGGGCGACCAATTCCGCAAGATGCGAGGAGCAGCCGACCACTCCAGC  
 GGCTCGGGTTTGTTGTCATGTTCTTGAGTGAAGGGGCTTCAGGAGGAAAGTCTGCTGGTT  
 CCCGAGGTCGAACCATCACAGTACTGCGACGAGCTATGAGGATATCTTCCCTGCCCGAAA  
 CACAAACATGGCATGCTCAGAGACCTCAACAAATTCCCTCATGA (SEQ ID NO: 77)

***lovE-20***

ATGGCTGCAGATCAAGGTATATTACGAACCTCGTCACTCTCGCCAGTGGAGGGTTCACGCAC  
 CGGTGGAACATTACCCCGCGTGCACTCGACGCTCTGTGATCGGTGTCATGCACAAAAGATCA  
 AATGTACTGGAAATAAGGAGGTTACTGGCCGTGCTCCCTGTCAAGCAGCAGCAGGCTGGACTT  
 CGATCGTCTACAGTGAGCGATGCCCAAGCGCAAGCTACGCCAATCCAGGGCAGGGATCTCGT  
 CTCTGCTGACCCAGATCCCTGCTTGACATGTCTCGCCTCCAGTGCCTCACAGAGCTTGCCGC  
 TAGACGTATCCGAGTCGATTCCCTCAAATACCTCCCGCAATTCTTGATCCACCGGACAGCTAC  
 GACTGGTCGTGGACCTCGATTGGCACTGACGGAGGCTATTGACACTGACTGCTGGGGCTGTCCA  
 ATGTGATGGAGGCTTCAGCTGTCAGTTAGAGCCAACGCTGCCGGATCTACCTTCGCCCTCGAGT  
 CTACGGTTGAAAAGCTCCGTTGCCACCGGTATCGAGCGACATTGCTCGTGCAGGCCAGTGC  
 CGAGAGCTTTCGATGACCTGTCGGCGGTGCGCAGGAACGGAAAGAGATCCTCTGGCCGTGAC  
 GGTAGAACATGGCCGAAGCAGGAATCTGGACCCATCCCACATCGGAATGTTCAATGCGTCACGAC  
 GGCTTCTTACTGTCTCGGCCAACAGCGCAGGCCACTGCCATCAAGGCACACTAGACGAATGT  
 TTACGGACCAAGAACCTCTTACGGCAGTACACTGTTACATATTGAATGTGCGGATTGACCGC  
 CATATCGGAGTTGCTCTGCAAAATTAGCGGACCCAGAACGCCATATGAGCCACTGGGAAG  
 GGAGTCGATCCCGACTCGCCGAGCAGAGACACCAGCAGCAGCGGCCACAGCAGTGTGAC  
 ACCATACCCTCTTAGCGAGAACCTCCCTATTGGTGAGCTGTTCTCCTATGTTGACCCCCCTGAC  
 ACACGCCCTATTCTGGCTTGCACTACGTTACATGTTGGGGTACAATTGCTCGTGTGAGAACAG  
 TTACTCTGGGAGTACACTCCGCCAGGGCATTGCACTGCTCCATCAGCATGAGCGGGAACCGGC  
 GAGGATATAGCCAGGACAGGGCGACCAATTCCGCAAGATGCGAGGAGCAGCGATCACTCCAGC  
 GGCTCGGGTTTGTTCATGTTCTTGAGTGATGAAGGGGTTTCAGGAGGCAAAGTCTGCTGGTT  
 CCCGAGGTCGAACCATCGCAGCACTGCGACGATGCTATGAGGATATCTTCCCTGCCCGAAA  
 CACAAACATGGCATGCTCAGAGACCTCAACAAATTCCCTCCATGA (SEQ ID NO: 78)

***lovE-21***

ATGGCTGCAGATCAAGGTATATTACGAACCTCGTCACTCTCGCCAGTGGAGGGTTCACGCAC  
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 AATGTACTGGAAATAAGGAGGTTACTGGCCGTGCTCCCTGTCAAGCAGCAGCAGGCTGGACTT  
 CGATCGTCTACAGTGAGCGATGCCCAAGCGCAAGCTACGCCAATCCAGGGCAGGGATCTCGT  
 CTCTGCTGACCCAGATCCCTGCTTGACATATCCTCGCCTCCAGTGCCTCACAGAGCTTACCGC  
 TAGACGTATCCGATTGCAATTCCCTCAAATACCTCCCGCAATTCTTGATCCACCGGACAGCTAC  
 GACTGGTCGTGGACCTCGATTGGCACTGACGGAGGCTATTGACACTAATGCTGGGGCTGTCCA  
 ATGTGATGGAGGCTTCAGCTGTCAGTTAGAGTCAACGCTGCCGGATCTACCTTCGCCCTCGAGT  
 CTACGGTTGAAAAGCTCCGTTGCCACCGGTATCGAGCGACATTGCTCGTGCAGGCCAGTGC  
 CGAGAGCTTTCGATGACCTGTCGGCGGTGCGCAGGAACGGAAAGAGATCCTCTGGCCGTGAC  
 GGTAGAACATGGCCTAACAGCAGGAATCTGGACCCATCCCACATCGGAATGTTCAATGCGTCACGAC  
 GGCTTCTTACTGTCTCGGCCAACAGCGCAGGCCACTGCCATCAAGGCACACTAGACGAATGT  
 TTACGGACCAAGAACCTCTTACGGCAGTACACTGTTACATATTGAATGTGCGGATTGACCGC  
 CATATCGGAGTTGCTCTGCAAAATTAGCGGACCCAGAACGCCATATGAGCCACTGGGAAG  
 GGAGTCGATCCCGACTCGCCGAGCAGAGACACCAGCAGCAGCGGCCACAGCAGTGTGAC  
 ACCATACCCTCTTAGCGAGAACCTCCCTATTGGTGAGCTGTTCTCCTATGTTGACCCCCCTGAC  
 ACACGCCCTATTCTGGCTTGCACTACGTTACATGTTGGGGTACAATTGCTCGTGTGAGATTGAGA  
 TTACTCTGGGAGTACACTCCGCCAGGGCATTGCACTGCTCCATCAGCATGAGCGGGAACCGGC  
 GAGGATATAGCCAGGACAGGGCAACCAATTCCGCAAGATGCGAGGAGCAGCGACCAACTCCAGC  
 GGCTCGGGTTTGTTCATGTTCTTGAGTGATGAAGGGGTTTCAGGAGGCAAAGTCTGCTGGTT  
 CCCGAGGTCGAACCATCGCAGCACTGCGACGATGCTATGAGGATATCTTCCCTGCCCGAAA  
 CACAAATATGGCATGCTCAGAGACCTCAACAAATTCCCTCCATGA (SEQ ID NO: 79)

***love-30***

ATGGCTGCAGATCAAGGTATATTACGAACACTCGTCACTCTCTGCCAGTGGAGGGTTCACGCAC  
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 AATGTAAGGAAATAAGGAGGTTACTGGCCGTGCTCCCTGTCAAGCAGGCTGCCAGCAGGCTGGACTT  
 CGATCGTCTACAGTGAGCGATGCCCAAGCGCAAGCTACGCCAATCCAGGGCAGGGATCTCGT  
 CTCTGCTGACCCAGATCCCTGCTTCACATGTCCTGCCCTCAGTGCCTCACAGAGCTTGCCGC  
 TAGACGTATCCGAGTCGATTCCCTCAAATACCTCCGGCAATTCTTGATCCACCGGACAGCTAC  
 GACTGGCTGGACCTCGATTGGCACTGACGGAGGCTATTGACACTGACTGCTGGGGCTGTCCA  
 ATGTGATGGAGGCTTCAGCTGTCAGTTAGAGCCAACGCTGCCGGATCTACCTTCGCCCTCGAGT  
 CTACGGTTGAAAAGCTCCGTTGCCACCGGTATCGAGCGACATTGCTCGTGCAGGCCAGTGC  
 CGAGAGCTTTCGATGACCTGTCGGCGGTGCGCAGGAACGGAAACTGGAAGAGATCCTCTGGCGTGAC  
 GGTAGAATGGCCGAAGCAGGAAATCTGGACCCATCCCACGGAAATGTTCAATGCGTCACGAC  
 GGCTTCTTACTGTCCTGCCAACAGCGCAGGCCACTGCCATCAAGGCACACTAGACGAATGT  
 TTACGGACCAAGAACCTCTTACGGCACTGACTGTTACATATTGAATGTGCGGATTTGACCGC  
 CATATCGGAGTTGCTCTGCAAAATTAGCGGACCCATGCCGACAGCACACCAGCAGCAGGCCACAGCAGTGTGAC  
 GGAGTCGATCCCAGTCGGCAGCAGGAGCACGACACCAGCAGCAGGCCACAGCAGTGTGAC  
 ACCATACCCTCTTAGCGAGAACCTCCCTATTGGTGAGCTGTCTCCTATGTTGACCCCTGAC  
 ACACGCCCTATTCTGGCTTGCACAGCTTACATGTTGGGGTACAATTGCTCGTGAGAATGAGA  
 TTACTCTGGGAGTACACTCCGCCAGGGCATTCGAGCTTCATCAGCATGAGCGGGAACCGAGC  
 GAGGATATAGCCAGGACAGGGCGACCAATTCCGCAAGATGCGAGGAGCAGCCGACACTCCAGC  
 GGCTCGGGTTTGTTCATGTTCTTGAGTGAAGGGGCTTCAGGAGGCAAAGTCTGCTGGTT  
 CCCGAGGTGCAACCATCGCAGCACTGCGACGATGCTATGAGGATATCTTCCCTGCCCGAAA  
 CACAAACATGGCATGCTCAGAGACCTCAACAAATTCCCTCCATGA (SEQ ID NO:80)

***love-31***

ATGGCTGCAGATCAAGGTATATTACGAACACTCCGTCACTCTCTGCCAGTGGAGGGTTCACGCAC  
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 AATGTAAGGAAATAAGGAGGTTACTGGCCGTGCTCCCTGTCAAGCAGGCTGCCAGCAGGCTGGACTT  
 CGATCGTCTACAGTGAGCGATGCCCAAGCGCAAGTTACGCCAATCCAGGGCAGGGATCTCGT  
 CTCTGCTGACCCAGATCCCTGCTTCACATGTCCTGCCCTCAGTGCCTCACAGAGCTTGCCGC  
 TAGACGTATCCGAGTCGATTCCCTCAAATACCTCCGGCAATTCTTGATCCACCGGACAGCTAC  
 GACTGGCTGGACCTCGATTGGCACTGACGGAGGCTATTGACACTGACTGCTGGGGCTGTCCA  
 ACGTGATGGAGGCTTCAGCTCTCAGTTAAAGCCAACGCTGCCGGATCTACCTTCGCCCTCGAGT  
 CTACGGTTGAAAAGCTCCGTTGCCACCGGTATCGAGCGACATTGCTCGTGCAGGCCAGTGC  
 CGAGAGCTTTCGATGACCTGTCGGCGGTGCGCAGGAACGGAAACTGGAAGAGATCCTCTGGCGTGAC  
 GGTAGAATGGCCGAAGCAGGAAATCTGGACCCATCCCACGGAAATGTTCAATGCGTCACGAC  
 GGCTTCTTACTGTCCTGCCAACAGCGCAGGCCACTGCCATCAAGGCACACTAGACGAATGT  
 TTACGGACCAAGAACCTCTTACGGCACTGACTGTTACATATTGAATGTGCGGATTTGACCGC  
 CATATCGGAGTTGCTACTGTCGAAATTAGGCTGACCCAGAACAGCCATATGAGGCCACTGGAAAG  
 GGAGTCGATCCCAGTCGCCAACAGAGACGACACCAGCAGCAGCAGGCCACAGCAGTGTGAC  
 ACCATACCCTCTTAGCGAGAACCTCCCTATTGGTGAGCTGTCTCCTATGTTGACCCCTGAC  
 ACACGCCCTATTCTGGCTTGCACAGCTTACATGTTGGGGTACAATTGCTCGTGAGAATGAGA  
 TTACTCTGGGAGTACACTCCGCCAGGGCATTCGAGCTTCATCAGCATGAGCGGGAACCGAGC  
 GAGGATATAGCCAGGACAGGGCGACCAATTCCGCAAGATGCGAGGAGCAGCCGACACTCCAGC  
 GGCTCGGGTTTGTTCATGTTCTTGAGTGAAGGGGCTTCAGGAGGCAAAGTCTGCTGGTT  
 CCCGAGGTGCAACCATCGCAGCACTGCGACGATGCTATGAGGATATCTTCCCTGCCCGAAA  
 CACAAACATGGCATGCTCAGAGACCTCAACAAATTCCCTCCATGA (SEQ ID NO:81)